

(ZMBRO1.ZMBRO) 05300
ZMBRO ONE DEPARTURE

ST. PAUL DOWNTOWN HOLMAN FIELD (S'TP)
SL-263 (FAA)

ATIS 118.35
CLNC DEL
121.675
MINNEAPOLIS DEP CON
121.2 357.4

TAKE-OFF OBSTACLE NOTES

RWY 9: Multiple trees beginning 1264' from DER, 166' right of centerline, up to 75' AGL/1055' MSL.
OL tank 1570' from DER, 771' right of centerline, 50' AGL/811' MSL.
Mobile crane 1162' from DER, 123' left of centerline, 50' AGL/758' MSL.

RWY 27: Antenna on OL stack 1.8 NM from DER, 635' left of centerline, 569' AGL/1279' MSL.
Multiple trees beginning 783' from DER, 2560' left of centerline, up to 994' MSL.
OL antenna 995' from DER, 305' right of centerline, 20' AGL/767' MSL.
Crane 1 NM from DER, 2007' right of centerline 200' AGL/887' MSL.

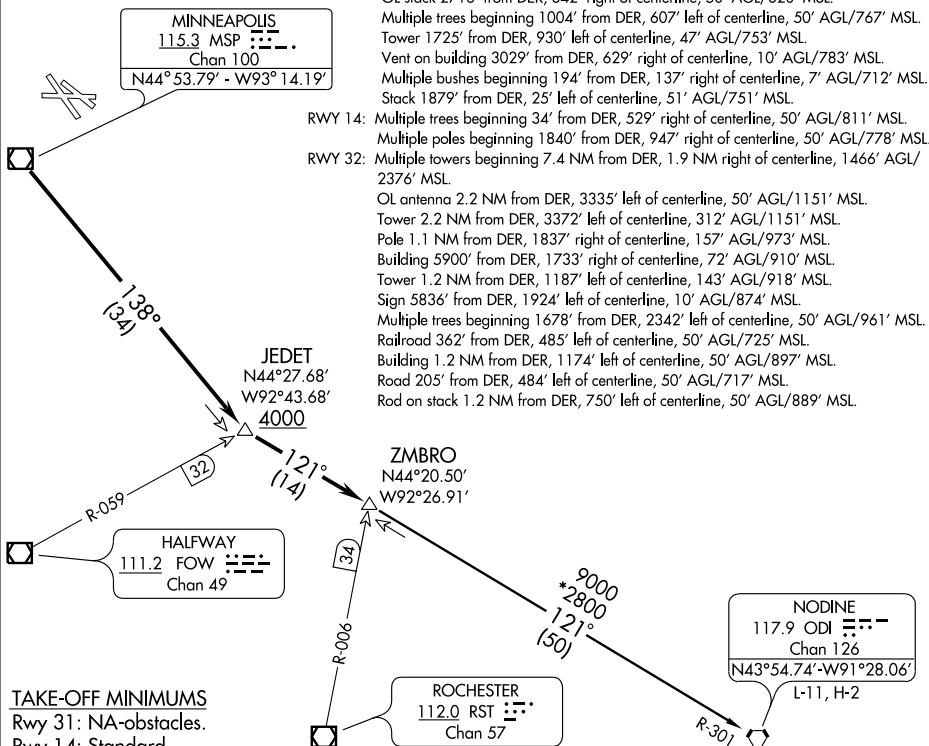
Flag pole 2332' from DER, 200' left of centerline, 50' AGL/778' MSL.
Lightpole 1327' from DER, 222' left of centerline, 50' AGL/747' MSL.
Building 2049' from DER, 837' right of centerline, 57' AGL/761' MSL.
Building 2049' from DER, 25' left of centerline, 51' AGL/751' MSL.

RWY 13: Tower 3.1 NM from DER, 4458' left of centerline, 254' AGL/1234' MSL.
OL stack 2716' from DER, 842' right of centerline, 50' AGL/820' MSL.
Multiple trees beginning 1004' from DER, 607' left of centerline, 50' AGL/767' MSL.
Tower 1725' from DER, 930' left of centerline, 47' AGL/753' MSL.
Vent on building 3029' from DER, 629' right of centerline, 10' AGL/783' MSL.
Multiple bushes beginning 194' from DER, 137' right of centerline, 7' AGL/712' MSL.
Stack 1879' from DER, 25' left of centerline, 51' AGL/751' MSL.

RWY 14: Multiple trees beginning 34' from DER, 529' right of centerline, 50' AGL/811' MSL.
Multiple poles beginning 1840' from DER, 947' right of centerline, 50' AGL/778' MSL.

RWY 32: Multiple towers beginning 7.4 NM from DER, 1.9 NM right of centerline, 1466' AGL/2376' MSL.

OL antenna 2.2 NM from DER, 3335' left of centerline, 50' AGL/1151' MSL.
Tower 2.2 NM from DER, 3372' left of centerline, 312' AGL/1151' MSL.
Pole 1.1 NM from DER, 1837' right of centerline, 157' AGL/973' MSL.
Building 5900' from DER, 1733' right of centerline, 72' AGL/910' MSL.
Tower 1.2 NM from DER, 1187' left of centerline, 143' AGL/918' MSL.
Sign 5836' from DER, 1924' left of centerline, 10' AGL/874' MSL.
Multiple trees beginning 1678' from DER, 2342' left of centerline, 50' AGL/961' MSL.
Railroad 362' from DER, 485' left of centerline, 50' AGL/725' MSL.
Building 1.2 NM from DER, 1174' left of centerline, 50' AGL/897' MSL.
Road 205' from DER, 484' left of centerline, 50' AGL/717' MSL.
Rod on stack 1.2 NM from DER, 750' left of centerline, 50' AGL/889' MSL.



NOTE: RADAR required.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

Fly assigned heading and altitude for radar vectors to MSP VOR/DME then via MSP R-138 to JEDET INT/MSP 34 DME, at or above 4000; then via ODI R-301 to ZMBRO INT/ODI 50 DME, thence via transition or assigned route. Expect clearance to filed altitude/flight level 10 minutes after departure.

NODINE TRANSITION (ZMBRO1.ODI): From over ZMBRO INT via ODI R-301 to ODI VORTAC.

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